

20030721.qrp v02_n988.qrl.20030721

Date: Mon, 21 Jul 2003 19:03:14 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2988

QRP-L Digest 2988

Topics covered in this issue include:

- 1) [154599] SMT Parts
by John Kirk <john.kirk@grainco.com.au>
- 2) [154600] Re: Whining about my Wein Bridge Oscillator
by jacksonharbor@att.net
- 3) [154601] Re: QRP & BPL: call to action
by "George, W5YR" <w5yr@att.net>
- 4) [154602] SuSe 8.2 Pro distributions spoken for
by Karl Heimbach <kheimbach@ev1.net>
- 5) [154603] Final Notice-Tuthil Badges
by "Bob Hightower" <nk7m@extremezone.com>
- 6) [154604] Fox: Finally!
by Al Scanandoah <k2zn@rochester.rr.com>
- 7) [154605] SOLD OUT: Quantity of 3N211 dual-gate MOSFET for sale
by "Paul Ermisch" <paul@ermisch.com>
- 8) [154606] K5TR Fox Log
by George Fremin III <geoiii@kkn.net>
- 9) [154607] RE: QRP & BPL: call to action
by Adam Farson <farson@shaw.ca>
- 10) [154608] Re: QRP & BPL: call to action
by "Thomas Kuehl" <ac7a@earthlink.net>
- 11) [154609] Re: [154557] Norcal Cascade band modules
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 12) [154610] Re: [fpqrp] FOX: sudden switcheroo
by Lloyd Lachow <llachow@yahoo.com>
- 13) [154611] an't no problem
by hamjoel@juno.com
- 14) [154612] Spoken for already: three SuSe 8.2 Pro distributions
by Brad Thompson <Brad.Thompson@VALLEY.NET>
- 15) [154613] Mod #1 for the NorCal Resistor Kit on AmQRP WEBSITE
by "Doug Hendricks" <ki6ds@dospalos.org>
- 16) [154614] Set of SuSE 8.2 Pro Disks and Red Hat Linux 5.2
by "Michael Melland" <w9wis@charter.net>
- 17) [154615] FS: MP-1 - Complete HF antenna kit
by "Dave Redfearn" <n4elm@comcast.net>
- 18) [154616] FS: Libretto 50CT Mini laptop for portable PSK-31
by "Dave Redfearn" <n4elm@comcast.net>
- 19) [154617] Re:Whining about my Wein Bridge Oscillator

by Jeff Furman <jfurman@ocs.net>
20) [154618] OHR100A (30M) and DD-1... > \$110... >SOLD
by "Pat Armstrong" <aa7fg@gte.net>
21) [154619] RE: QRP & BPL: call to action
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
22) [154620] FS: NorCal SMK-1 Unassembled Kit w/Case
by Steve.Lawrence@ITWFEG.COM
23) [154621] HB: SMD parts
by "w8diz" <w8diz@cinci.rr.com>
24) [154622] QRP & BPL: Timing is everything
by "sslyon" <sslyon@megalink.net>
25) [154623] Hot enough fer ya?
by w5jh@swlink.net
26) [154624] RE: Jupiter
by "Burl A. Keeton" <n5duq@juno.com>
27) [154625] Freq Reference Kit
by "w8diz" <w8diz@cinci.rr.com>
28) [154626] RE: SuSE 8.2 Pro Disks
by "Michael Melland" <w9wis@charter.net>
29) [154627] Re: Set of SuSE 8.2 Pro Disks and Red Hat Linux 5.2
by Bob Nielsen <nielsen@oz.net>
30) [154628] OT: Interesting Group Buy
by Ed Tanton <n4xy@earthlink.net>
31) [154629] Re: [AQR] Nice QRP surprises
by "Stuart Rohre" <rohre@arlut.utexas.edu>
32) [154630] FOX: Schedule changes
by "Marshall Emm" <mgemm@mtechnologies.com>
33) [154631] From inverted V to Delta?
by Alex <kr1st@amsat.org>
34) [154632] HB: 40 Meter vertical PLUS 30 meters
by "w8diz" <w8diz@cinci.rr.com>
35) [154633] Re: New Ham
by K7VO <k7vo@earthlink.net>
36) [154634] Re: Toyko Hy Power HT-750
by K7VO <k7vo@earthlink.net>
37) [154635] Re: IC-703 final amp failure advisory...NOTE:...hearsay only at
this point...
by K7VO <k7vo@earthlink.net>
38) [154636] Re: HB: 40 Meter vertical PLUS 30 meters
by J.Bennett@lboro.ac.uk
39) [154637] Re: [fpqrp] HB: 40 Meter vertical PLUS 30 meters
by "George, W5YR" <w5yr@att.net>
40) [154638] NJ Sniffer Kits, Last Call
by "Doug Hendricks" <ki6ds@dpol.net>
41) [154639] QRP/portable at Glacier National Park
by K7VO <k7vo@earthlink.net>
42) [154640] Re: 40 Meter vertical PLUS 30 meters
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>

- 43) [154641] Flight of the Bumblebees Operating Question
by "Jeff Imel" <jeffimel@hotmail.com>
- 44) [154642] RE:NJ Sniffer Kit Last Call
by "Doug Hendricks" <ki6ds@dpol.net>
- 45) [154643] Re: Toyko Hy Power HT-750
by K7VO <k7vo@earthlink.net>
- 46) [154644] [Fwd: SuSE 8.2 and ham software]
by pastor-kc1di <elbc2@gwi.net>
- 47) [154645] Re: 40 Meter vertical PLUS 30 meters
by "George, W5YR" <w5yr@att.net>
- 48) [154646] Re: From inverted V to Delta?
by Curt Milton <wb8yyy@yahoo.com>
- 49) [154647] Re: HB: 40 Meter vertical PLUS 30 meters
by Curt Milton <wb8yyy@yahoo.com>

Date: Mon, 21 Jul 2003 08:37:13 +1000
From: John Kirk <john.kirk@grainco.com.au>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [154599] SMT Parts
Message-ID: <604A0B501F38D3118AAA00805FF5BC7D04FE531C@tmbsa2.grainco.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If you're having trouble sourcing small quantities of SMD parts, you might consider joining the North Texas Microwave Society. Their very modest annual dues give you unlimited access to millions of SMD parts pretty much for the price of postage...

www.ntms.org

72

John Kirk VK4TJ

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Date: Sun, 20 Jul 2003 22:47:25 +0000

From: jacksonharbor@att.net

To: nkennedy@tcainternet.com

Cc: qrp-1@lehigh.edu

Subject: [154600] Re: Whining about my Wein Bridge Oscillator

Message-ID: <200307202247.h6KM1QZ2031344@rain.CC.Lehigh.EDU>

Nick -

If you're really interested in pursuing this, I suggest
you take a look at the book:

Analog Circuit Design--Art, Science, and Personalities by Jim Williams

In one of the first chapters Jim Williams talks about his efforts
at bettering the original HP audio oscillator with an op-amp to
replace the tube and a FET and other stuff to replace the lamp.

He had to do a lot of finagling to do better than the HP on
distortion ;)

In my experience, the only bad thing about using a lamp
to stabilize the audio oscillator circuit
is that it's subject to amplitude modulation by mechanical
shock - when I jarred the circuit I'd see the sine wave
bouncing up and down like a yo-yo ;)

Best Regards,

Chuck Olson, WB9KZY

Jackson Harbor Press

<<http://jacksonharbor.home.att.net/>>

Date: Sun, 20 Jul 2003 17:57:24 -0500
From: "George, W5YR" <w5yr@att.net>
To: <sslyon@megalink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [154601] Re: QRP & BPL: call to action
Message-ID: <016801c34f12\$4cc79620\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seab, it doesn't matter how much power you are running, if you can't hear anything! <:}

QRO might get heard better through the racket, I agree, but if it is as bad as predicted, it will take a KW to be heard. Oh, that *is* QRO, isn't it . .
.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "sslyon" <sslyon@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, July 20, 2003 4:12 PM
Subject: QRP & BPL: call to action

> I've just read the ARRL letter and strongly believe we must act forcefully
to
> ensure that approval of BPL is conditional on results of thorough,
technically
> competent analysis of the potential for interference with other
communication
> modes. Bear in mind that QRP would suffer more than QRO from any
additional
> interference.
> I'll be sending in a contribution to help ARRL to do battle on this but we
can

> be very effective individually, too. I'd like to see some help posted by
ARRL
> (similar to other action groups) to facilitate direct input to our
respective
> elected reps on this matter.
>
> 73/72
> aa1my
>

Date: Sun, 20 Jul 2003 17:59:53 -0500
From: Karl Heimbach <kheimbach@ev1.net>
To: qrp-l@Lehigh.EDU
Subject: [154602] SuSe 8.2 Pro distributions spoken for
Message-ID: <5.1.0.14.2.20030720175740.00ba1b80@mail.ev1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Guys,

Thanks for the all the replies. The two copies were spoken for within five minutes of the post appearing.
Hopefully, others will also make two copies each and distribute them until everyone gets a copy.

Regards,

Karl - W5QJ

Date: Sun, 20 Jul 2003 16:00:25 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: <qrp-l@lehigh.edu>
Subject: [154603] Final Notice-Tuthil Badges
Message-ID: <000001c34f12\$b597dca0\$954998d0@Bobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

If you are going to be at Ft Tuthill, and haven't yet requested your

name badge, now is the time to do it.

The badges are being printed now, and any further requests must be sent DIRECTLY to Jerry Parker at jparker@fix.net immediately.

Hope to see you there.

Bob NK7M

Date: Sun, 20 Jul 2003 19:11:50 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [154604] Fox: Finally!
Message-ID: <3F1B21B6.107@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Both scheduling and band condx have been against me since the start of the summer season, but this evening I got myself a twofer.

I had both pelts nabbed by 2207.

Al, K2ZN

Date: Sun, 20 Jul 2003 17:38:26 -0600
From: "Paul Ermisch" <paul@ermisch.com>
To: "Qrp-List" <qrp-l@Lehigh.EDU>
Subject: [154605] SOLD OUT: Quantity of 3N211 dual-gate MOSFET for sale
Message-ID: <NHBBIMAFPBCKANGJGAPDOEMBCDAA.paul@ermisch.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow, didn't realize I could've asked a little more for these and made back all of my hamfest costs :) I got more requests for these than I was able to fill so there are no more. I will inform individually those people who requested quantities but for whom I will not be able to satisfy their request. Unfortunately, that means I will have to return some funds already sent via PayPal - I apologize for creating a feeding frenzy on this.

73 Paul KB0LUR

-----Original Message-----

From: Paul Ermisch [mailto:paul@ermisch.com]

Sent: Sunday, July 20, 2003 12:11 AM

To: Qrp-List

Subject: Quantity of 3N211 dual-gate MOSFET for sale

Found about 180 of these things at a hamfest today. They are a substitute for the 40673 MOSFET found in QRP circuits featured in EMRFD, SSD, etc. They are untested and are mixed TI, RCA, and Motorola brands.

More than I need so I am offering them at 10 each for \$2.00 (includes packing and shipping). I will meet lower pricing if someone can quote me a verifiable source. I will take PayPal at 'notimeinco@usa.net' or you can send funds to:

Paul Ermisch / KB0LUR
17506 Celestine Ct.
Parker, CO 80134

If you are sending funds, please e-mail me so I can set them aside.

Date: Sun, 20 Jul 2003 18:46:06 -0500
From: George Fremin III <geoiiii@kkn.net>
To: qrp-l@lehigh.edu
Subject: [154606] K5TR Fox Log
Message-ID: <20030720234606.GA20210@kkn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Last minute fill in as the fox. Conditions seemed to be fairly good but not much activity.

Band	Date	Time	QSO#	Call worked	TXR	RXR	QTH	NAME	NUM/PWR
----	----	----	----	-----	---	---	---	----	-----
20CW	20-Jul-03	22:01	1	AC7A	559	559	AZ	TOM	5W
20CW	20-Jul-03	22:01	2	K0EVZ	559	569	NM	DOC	5W
20CW	20-Jul-03	22:02	3	K2ZN	539	559	NY	AL	5W
20CW	20-Jul-03	22:03	4	N5ZE	529	559	TX	LEW	5W

20CW	20-Jul-03	22:04	5	KB7WW	559	559	OR	ART	5W
20CW	20-Jul-03	22:04	6	N1IX	559	559	NH	DAVE	5W
20CW	20-Jul-03	22:05	7	WA8BXN	559	559	OH	MIKE	5W
20CW	20-Jul-03	22:07	8	K6XR	579	589	CA	REGGGIE	5W
20CW	20-Jul-03	22:07	9	N1TP	579	599	FL	TOM	5W
20CW	20-Jul-03	22:09	10	W8UE	559	599	MI	TED	5W
20CW	20-Jul-03	22:10	11	AF4LQ	559	559	KY	MIKE	5W
20CW	20-Jul-03	22:11	12	K0FRP	559	559	CO	AL	5W
20CW	20-Jul-03	22:12	13	K5DI	559	559	NM	KARL	5W
20CW	20-Jul-03	22:12	14	W5TB	559	559	CO	DOC	5W
20CW	20-Jul-03	22:15	15	KG6WP	559	559	CA	HOWARD	5W
20CW	20-Jul-03	22:16	16	W7ILW	559	559	AZ	HOWARD	5W
20CW	20-Jul-03	22:17	17	N0JRN	539	559	MO	JERRY	5W
20CW	20-Jul-03	22:18	18	K8KFJ	599	599	WV	GARY	5W
20CW	20-Jul-03	22:19	19	KW4JS	559	559	TN	JOHN	5W
20CW	20-Jul-03	22:23	20	W0MPR	549	559	CO	GREGG	5W
20CW	20-Jul-03	22:25	21	W0CZ	559	559	MN	KEN	5W
20CW	20-Jul-03	22:28	22	KA3MJG	559	599	PA	JOHN	3W
20CW	20-Jul-03	22:32	23	AF4PP	559	579	GA	CHUCK	5W
20CW	20-Jul-03	22:36	24	KB7AQD	559	559	AZ	ROBERT	10W
20CW	20-Jul-03	22:42	25	W6AZ	559	559	CA	RON	5W
20CW	20-Jul-03	22:42	26	N1FN	539	559	CO	ET	5W
20CW	20-Jul-03	22:43	27	AA7EQ	539	559	AZ	BOB	5W
20CW	20-Jul-03	22:45	28	N2WW	599	559	CO	LARRY	5W
20CW	20-Jul-03	22:48	29	K2EKM	539	559	VA	BILL	500MW
20CW	20-Jul-03	22:49	30	KR0U	559	599	CO	TIM	5W
20CW	20-Jul-03	22:50	31	K8CV	559	559	MI	WALT	5W
20CW	20-Jul-03	22:56	32	AA8IV	599	599	OH	RICH	5W
20CW	20-Jul-03	23:00	33	K1WAY	539	559	NY	MIKE	5W
20CW	20-Jul-03	23:21	34	W6DU	599	599	CA	RICH	100W
20CW	20-Jul-03	23:26	35	N0WX	559	599	MN	MIKE	5W
20CW	20-Jul-03	23:27	36	N0TK	529	559	CO	DAN	5W
20CW	20-Jul-03	23:29	37	W0NTA	559	559	CO	DICK	5W
20CW	20-Jul-03	23:30	38	K5TR					

--

George Fremin III - K5TR
 geoiiii@kkn.net
<http://www.kkn.net/~k5tr>

Date: Sun, 20 Jul 2003 16:49:54 -0700
From: Adam Farson <farson@shaw.ca>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@LEHIGH.EDU>
Subject: [154607] RE: QRP & BPL: call to action
Message-ID: <DMEILAEADPNBAHKBNMMHEEJOFKAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi George,

What I am hoping is that NTIA will deem that the potential disruption to HF communications inherent in PLC poses a potential national-security threat. That will effectively put the kibosh on PLC, unless the ITU gets there first at the international level.

Then the FCC, the utilities, and the ISP's will have to go and look for new fields (excuse the pun!) to conquer.

Cheers for now, 73,
Adam VA7OJ/AB4OJ

-----Original Message-----

From: owner-qrp-1@lehigh.edu [mailto:owner-qrp-1@lehigh.edu] On Behalf Of George, W5YR
Sent: Sunday, July 20, 2003 15:57
To: Low Power Amateur Radio Discussion
Subject: Re: QRP & BPL: call to action

Seab, it doesn't matter how much power you are running, if you can't hear anything! <:}

QRO might get heard better through the racket, I agree, but if it is as bad as predicted, it will take a KW to be heard. Oh, that **is** QRO, isn't it . .
.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "sslyon" <sslyon@megalink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, July 20, 2003 4:12 PM

Subject: QRP & BPL: call to action

> I've just read the ARRL letter and strongly believe we must act forcefully
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> elected reps on this matter.
>
> 73/72
> aa1my
>

Date: Sun, 20 Jul 2003 17:30:43 -0700

From: "Thomas Kuehl" <ac7a@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [154608] Re: QRP & BPL: call to action

Message-ID: <001001c34f1f\$524526f0\$120110ac@texas6oef4glwm>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I'll second Seab's concerns over BPL. Should the FCC relax the current regulations to accommodate BPL, we QRP'ers could find ourselves referring to 100W as QRP. The BPL noise levels derived from the ARRL tests would simply render QRP ineffective in most settings. Present rules already permit BPL at

significant power levels. However, the utilities would prefer that the FCC authorize them even higher power levels.

Even if someone isn't an ARRL member, or doesn't normally support the league for whatever reason, this is one issue we need to stand behind the league and support. A few weeks ago, I sent the FCC my comments on the BPL notice of inquiry, 03-104. Then, I promptly sent the ARRL a check to help fund their efforts. They are working to prevent the FCC from streamlining the review process specifically for BPL. The current FCC mind-set appears to be full speed ahead for BPL, with little consideration for any other service in the 1.7 to 80 MHz frequency range.

Sorry for using QRP-L as a soapbox, but I am afraid we QRP'ers are going to lose a lot if BPL is recklessly implemented.

Thanks, Thomas - AC7A (Tucson)

----- Original Message -----

From: "sslyon" <sslyon@megalink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, July 20, 2003 2:12 PM

Subject: QRP & BPL: call to action

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> 73/72
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Date: Sun, 20 Jul 2003 20:59:23 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: kc8aon@juno.com
Cc: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [154609] Re: [154557] Norcal Cascade band modules
Message-ID: <200307210059.h6L0xNk12605@panix2.panix.com>

I was under the impression that the band modules themselves are different, but the PC board is compatible, i.e. Sierra modules can be built on Cascade boards.

That being said, I have a stash of superfluous Sierra band module PC board kits, and I'll send you a couple if you'll send me your address.

73, doug

Date: Sun, 20 Jul 2003 18:05:12 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: "Li'l Piggies" <fpqrp-1@mpna.com>,
a low-energy group <qrp-1@lehigh.edu>
Subject: [154610] Re: [fpqrp] FOX: sudden switcheroo
Message-ID: <20030721010512.43649.qmail@web41005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Lloyd Lachow <llachow@yahoo.com> wrote:
> A sudden schedule change here in family-land
> caused
> me to switch with George, K5TR, who will share Fox
> duties today with Larry, N2WW. I'll be the Fox,
> along
> with Larry, in two weeks, on the 27th, rather than
> George.

...of course, I MEANT to say, in two weeks, on
August third.

72!

LL

Do you Yahoo!?
SBC Yahoo! DSL - Now only \$29.95 per month!
<http://sbc.yahoo.com>

Date: Mon, 21 Jul 2003 01:11:13 GMT
From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU
Subject: [154611] an't no problem
Message-ID: <20030720.181128.505.471271@webmail10.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

high y'all

we need to got back to kit building, I think them new digital filters and what not would take care of any problems new technology would bring our way...

and really, it depends on who stands to make or lose money... and building is meaux fun, and thair always be some place to operate even if it an't whare my father and his father held their daily net... :-)

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 20 Jul 2003 19:55:34 -0400
From: Brad Thompson <Brad.Thompson@VALLEY.NET>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [154612] Spoken for already: three SuSe 8.2 Pro distributions
Message-ID: <5.0.2.1.2.20030720195111.01ec1750@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

Talk about high demand... all three sets of the SuSe 8.2 distribution disks are spoken for almost instantaneously.

For everyone else who responded, please accept my apologies. With any luck,
the three sets
I'm sending will result in six, which will result in twelve... 24... 48...
96....

Keep 'em flying!

73--

Brad AA1IP

Brad Thompson, Bookseller
P.O. Box 307
202 Whitaker Rd.
Meriden, NH 03770-0307

Date: Sun, 20 Jul 2003 18:59:45 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [154613] Mod #1 for the NorCal Resistor Kit on AmQRP WEBSITE
Message-ID: <020f01c34f2b\$c4421900\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, if you will go to the AmQRP website, click on the kits button, and
then click on the NorCal Resistor kit, you will see a picture of Mod #1 to
the NorCal Resistor kit. I am serious here, there really is a mod, grin.
Go to:

<http://www.amqrp.org/kits/resistor/index.html>

Plus, if you want a kit, they are still available from Jim Cates and details
on how to order are on the page. The NorCal Resistor Kit is a set of 2000
quarter watt carbon film resistors that go from 1 ohm to 10M in all the
standard values. The cost of the kit is only \$25!! Perfect for the
Homebrewer, Hobbieist, QRP junkie, etc. etc. 72, Doug, KI6DS

Date: Sun, 20 Jul 2003 21:58:13 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [154614] Set of SuSE 8.2 Pro Disks and Red Hat Linux 5.2
Message-ID: <003301c34f33\$ee831400\$0200a8c0@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a set of SuSE 8.2 Pro I'll send out for postage (\$5)

AND I can make a couple of copies of (2 CD's) of Red Hat 5.2 (Mandrake Release) Linux if anyone... like me.... has an old computer they'd like to try a Linux version on... and then pass it on. Unlike SuSE Pro which requires 2.9 GB for full GUI installation with all it's packages..... Red Hat 5.2 which is from 1998/99 only needs a maximum of 900 MB and 8 to 16 MB RAM to run. It utilizes Xwindows (X11R6) for it's GUI and has quite a few programs included....

Just the thing for that old 133 Pentium with the 2 Gig HD or "gasp" that old 386/486 in the closet.....

Mike, W9WIS

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-1 #1656 - qrp-parci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Sun, 20 Jul 2003 22:35:47 -0500
From: "Dave Redfearn" <n4elm@comcast.net>
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>
Subject: [154615] FS: MP-1 - Complete HF antenna kit
Message-ID: <000201c34f39\$2df69210\$016fa8c0@Pavillion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

Super Antennas
MP-1 Portable Antenna

MP-1 with base and radials
80 Meter coil

tripod mount
mobile kit
with extras:
Custom stake mount
~ 20 feet of connectorized RG-58 coax
additional radials
extra insulated tripod legs
screwdriver
small bag to carry it all.

All in very good condition, little use

Complete setup for \$200.00

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)
QR! de N4ELM/qrp

Date: Sun, 20 Jul 2003 22:40:34 -0500
From: "Dave Redfearn" <n4elm@comcast.net>
To: "Low Power Amateur Radio Discussion \((E-mail\)" <qrp-1@lehigh.edu>
Subject: [154616] FS: Libretto 50CT Mini laptop for portable PSK-31
Message-ID: <000301c34f39\$d7d3ad90\$016fa8c0@Pavillion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

Toshiba Libretto 50CT Sub-laptop PC

Very small, PDA size, about the size of a VHS tape
P50, 16 Meg RAM, 810 Meg Harddisk
Active Color screen, built-in mouse
1 PCMCIA type 2 slot, built-in Yamaha Soundcard (originally playback only)
with:
port replicator - serial, parallel, & VGA ports
1.44 M PCMCIA floppy

PCMCIA portable CDRom (non Toshiba)
3Com PCMCIA 10bt Ethernet card
33.6 baud PCMCIA Eiger Modem card
Toshiba OEM Windows 95 OS installed, no restore disks
battery (used works)
AC power supply
manual

The Good - The Libretto is in good condition and works well.

The Bad - Only known problem is 2 vertical columns on the extreme left side of the screen are partially out (incorrect color or blank depending on the background, does not affect screen view), both top latches are broke.

The Excellent - The pc has 2 mods.

1. Selectable Overclock, the pc can switch between 50 or 100 Mhz at power up (details to be provided).
2. Audio input has been added to the built-in sound card (original pc has no mike or audio inputs!). It is mono only but it does allow the Libretto to run PSK-31 (or other soundcard programs requiring audio input). The mod sacrificed the IR port to get space for the input connector.

This has been my portable PSK-31 pc for a while and was used for demo at ArkieCon in April, but I need to upgrade to a pc with a larger screen.

Asking \$225.00 for all

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Sun, 20 Jul 2003 22:06:51 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: Nick Kennedy <nkennedy@tcainternet.com>, qrp-1@lehigh.edu
Subject: [154617] Re:Whining about my Wein Bridge Oscillator
Message-ID: <Pine.LNX.4.21.0307202150510.9931-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Nick, I think the best advice I could offer you is to examine an artful example, the HP 204C oscillator. It's schematic (in fact, the entire manual) is available at the BAMA site:

<http://bama.sbc.edu/>

in the HP page.

HP uses a trick that is supposed to increase the dynamic range of operation of the resistive region of the fet, by using a bit of ac feedback from drain to gate through a trimmed resistive divider. I once saw this described in an IEEE publication, but I was never able to find it again. I think Jim Williams has described it in the Wien bridge chapter in his book about the circuit design art.

I may have some page scans of Williams description if you need them.

73, Jeff AD6MX

Date: Sun, 20 Jul 2003 23:06:22 -0500
From: "Pat Armstrong" <aa7fg@gte.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [154618] OHR100A (30M) and DD-1... > \$110... >SOLD
Message-ID: <008301c34f3d\$734f92e0\$e1bbe343@vectrav1400mt>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Many thanks to all who responded, but all the gear listed is gone...

Pat, AA7FG - Oregon

Date: Mon, 21 Jul 2003 06:33:10 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [154619] RE: QRP & BPL: call to action
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F3566@kosh.arrlhq.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
content-class: urn:content-classes:message

At this stage, this is an FCC Notice of Inquiry. Unless one has a personal relationship with his or her Congresscritter, it would probably be counterproductive to involve Congressfolks at this point. IMHO, all that would happen is that the Congresscritter would contact FCC, who would explain that they have a Notice of Inquiry so they can get information to answer all the questions, and that would be that.

It is also not useful at this stage for "form-letter" type input, so the League has deliberately not written such language. There is still time to file Reply Comments to the Comments filed by many others. Go to <http://www.arrl.org/bpl> for information about BPL and <http://www.arrl.org/~ehare/rfi/plc/hyperlinks.html> for links to the major comments filed on the matter.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: sslyon [<mailto:sslyon@megalink.net>]

> Sent: Sunday, July 20, 2003 5:13 PM

> To: Low Power Amateur Radio Discussion

> Subject: QRP & BPL: call to action

>=

>=

> I've just read the ARRL letter and strongly believe we must

> act forcefully to

> ensure that approval of BPL is conditional on results of

> thorough, technically

> competent analysis of the potential for interference with

> other communication

> modes. Bear in mind that QRP would suffer more than QRO from

> any additional

> interference.

> I'll be sending in a contribution to help ARRL to do battle

> on this but we can

> be very effective individually, too. I'd like to see some

> help posted by ARRL

> (similar to other action groups) to facilitate direct input=20
> to our respective
> elected reps on this matter.
>=20
> 73/72
> aa1my
>=20
>=20

Date: Sun, 20 Jul 2003 22:20:16 -0400
From: Steve.Lawrence@ITWFEG.COM
To: <qrp-1@Lehigh.EDU>
Subject: [154620] FS: NorCal SMK-1 Unassembled Kit w/Case
Message-ID: <0FAEA1F51A.09A3E675-
ON85256D65.0064C1D2-85256D6A.000CD798@troy.pmifeg>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

I have unopened/unassembled NorCal SMK-1 kit, complete with the
complementary NJQRP case kit for sale: \$65 shipped CONUSA. Here's a
"once in a lifetime" opportunity to pickup this classic!

M0 preferred payment. Please contact me off-list.

73,
Steve
aa8af

Date: Mon, 21 Jul 2003 08:27:55 -0400
From: "w8diz" <w8diz@cinci.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [154621] HB: SMD parts
Message-ID: <002c01c34f83\$83369b90\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

For those that were interested in kitting SMD parts,
here is a list of what I have available.
Send me a private email if you are interested in this lot.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

4.9152 MHz Xtals - 990 pieces
20.0 MHz TCosc - 850 pieces

2N3904 - 2000 pieces
2N3906 - 5000 pieces

PNP SB OnChip 70572 - 3000 pieces

MMBV109LT1 - 5000 pieces

LM358 - 200 pieces

HSMP-3860 Pin diodes - 1250 pieces

HSMS-2822 Dual RF Schottky Diodes - 500 pieces
HSMS-2823 Dual RF Schottky Diodes - 1000 pieces

Green LEDs - 2000 pieces

0603 1p2 NPO - 4000 pieces
0603 3p3 NPO - 4000 pieces
0603 47p NPO - 4000 pieces
0805 47p NPO - 9000 pieces
1210 68 NPO - 2000 pieces
0603 82 NPO - 4000 pieces
0603 150 NPO - 4000 pieces
0603 180 NPO - 4000 pieces
1206 220 NPO - 8000 pieces
1206 270pF - 5000
1210 390 NPO - 4000 pieces
1206 390 NPO - 4000 pieces
1206 680pF - 10,000 pieces
0603 2n2 - 4000 pieces
0805 2n2 - 8000 pieces
0805 4n7 - 4000 pieces
0603 10n - 4000 pieces
1206 47n - 8000 pieces
0805 100n - 3000 pieces
1210 150n - 4000 pieces
???? 22u @ 16V - 350 pieces
???? 22u @ 20V - 900 pieces
???? 33u @ 16V - 350 pieces

1206 1r0 - 5000 pieces
0805 4r7 - 5000 pieces
1206 9r1 - 4000 pieces
1206 10 - 5000 pieces
1206 39 - 5000 pieces
1206 80r6 - 3000 pieces
1206 100 - 4200 pieces
1206 130 - 3700 pieces
1206 221 - 4000 pieces
1206 270 - 5000 pieces
1206 432 - 5000 pieces
1206 511 - 5000 pieces
1206 750 - 5000
0805 1k - 5000 pieces
1206 1k - 5000 pieces
1206 2k - 5000 pieces
1206 3k3 - 5000 pieces
1206 4k12 - 2000 pieces
1206 5k1 - 3500 pieces
1206 7k5 - 4500 pieces
1206 8k66 - 5000 pieces
1206 10k - 3000 pieces
1206 16k - 3400 pieces
1206 18k7 - 5000 pieces
1206 20k - 2500 pieces
1206 22k1 - 3700 pieces
1206 27k - 3000 pieces
1206 36k5 - 3900 pieces
1206 43k - 2100 pieces
1206 56k - 5000 pieces
1206 100k - 5000 pieces
1206 470k - 5000 pieces

Date: Mon, 21 Jul 2003 08:57:25 -0400
From: "sslyon" <sslyon@megalink.net>
To: <w1rfi@arrl.org>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [154622] QRP & BPL: Timing is everything
Message-ID: <000601c34f87\$a2a1d540\$18c6e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for providing that perspective, Ed. As we all know timing is everything and good intentions can work against us if applied clumsily. Please notify the group when the time comes to pick up the pen/keyboard/stylus/phone.

I'd also recommend that folks writing their congresspeople, senators, etc., to edit in their own thoughts and comments into the form letters commonly provided for convenience. They are then viewed individually rather than as 'just another form letter' among thousands.

73/72

seab

aa1my

----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, July 21, 2003 6:33 AM

Subject: RE: QRP & BPL: call to action

> At this stage, this is an FCC Notice of Inquiry. Unless one has a personal relationship with his or her Congresscritter,
> it would probably be counterproductive to involve Congressfolks at this point.

Date: Mon, 21 Jul 2003 06:51:43 -0700

From: w5jh@swlink.net

To: qrp-l@lehigh.edu

Subject: [154623] Hot enough fer ya?

Message-ID: <200307211351.h6LDphn28937@newbambam.interwrx.com>

Man, it is so hot in Phoenix that I saw my patio furniture standing on one leg! I had to cover my pool to keep it from boiling over and chill our water to take a hot shower! Seriously folks, it is HOT. On Monday it reached 113 degrees. On Tuesday it warmed up a bit to 116 and set a record. But, at least it cooled off Tuesday night - all the way down to 96 to set another record. That was the highest LOW we have ever had! Another record with 117 on Wednesday. Soooo, what do Phoenixians and other Desert Dwelling Arizonians do to beat the heat? We head for the mountains! Next Friday, Saturday, and Sunday (July 25-27) we will be heading to cool Flagstaff, AZ and Ft Tuthill for the QRP HAMFEST and ARRL State Convention.

Here's a little rundown on two more of our speakers. These fellows are very active in many different phases of QRP and outdoor activities. Can't say enough about just how fortunate we are to have them on the program!! The technical and operating sessions are set to begin at 9am Saturday morning and continue through 4pm with a two hour break for lunch. Check our website for any late minute

schedule changes: <<http://www.extremezone.com/~nk7m/tut03.htm>> Pictures from previous years are at: <<http://www.qsl.net/wa6owr/fttuthill/pics/tutpics.htm>>

Dan Tayloe, N7VE Az ScQRPion and NorCal Kit Designer

Dan Tayloe started in ham radio over thirty years with the call WN0NVB in Cambridge, Iowa. His first homebrew transmitter was a 10w 6T9 tube transmitter built from an article in "Understanding Amateur Radio".

Dan likes to build more than he likes to operate. Over the last year, Dan has spent only a few hours working a handful of QRP contests, but has spent several hundred hours listening to his pair of 8640b signal generators exploring the mysteries of new mixer designs, receiver sensitivity, blocking dynamic range, and third order intercept on his receiver creations. For the last few years, he has been work on a series of high performance, image rejection DC transceivers.

In his spare time he works for Motorola as a cellular telephony systems engineer, and currently holds 45 patents. Dan is married to a very understanding XYL, Vicki, who can usually be found negotiating for him at hamfests. Dan has three children who are all currently in college.

Dr. Bob Armstrong, N7XJ Contributing Editor to the ARS Sojourner
A country doctor living in tiny Manti, Utah, Bob Armstrong was first licensed in 1963 as KN7VYY. Before establishing a rural medical practice, he was a lieutenant colonel in the U. S. Army and worked as a full-time medical educator.

In addition to his family medicine and obstetric practice, Bob Armstrong works in an emergency room and teaches at a training program for young doctors in Provo, Utah.

Bob has been an enthusiastic outdoorsman since a child, and has been active in portable and outdoor radio operation for over 30 years. He enjoys building and contesting, but especially likes to search for ancient Native American pictographs and to backpack with his children.

He and his wife, Beverly, are active volunteers in the Boy Scout and Girl Scout organizations, working with both youth and adult leaders.

Did I mention how hot it is? Cool off with the Az ScQRPions at Ft. Tuthill next weekend!!

John Stevens - K5JS
(relayed by Jerry Haigwood - W5JH)

Date: Mon, 21 Jul 2003 09:29:57 -0500
From: "Burl A. Keeton" <n5duq@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [154624] RE: Jupiter
Message-ID: <20030721.092958.-705061.4.n5duq@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang, Monday morning July 21, 2003

A friend of mine is looking for a clean Ten Tec Jupiter. He has limited funds but wanted me to check the list to see if there is someone on the list who perhaps has decided to sell theirs. Maybe someone bought a new rig and doesn't need the Jupiter any more.

Contact me at my email address please.

n5duq@juno.com (N5DUQ)

Burl Keeton

Date: Mon, 21 Jul 2003 11:55:12 -0400
From: "w8diz" <w8diz@cinci.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [154625] Freq Reference Kit
Message-ID: <008601c34fa0\$788b1b90\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Gang,

Here is the final schematic <http://partsandkits.com/cal.gif>
and the PCB layout <http://partsandkits.com/cal-pcb.gif>
for the Freq Reference Kit.

This frequency reference will maintain an accuracy of +/- 1 Hz at 10 MHz. Use it to calibrate your freq counters or whatever else needs a good stable reference. The output originates from a 20 MHz Temp Compensated Oscillator.

Power it from 8 to 15 volts DC, max current is 25 ma.

Unit has a jumper selectable output of 10,5 or 2.5 MHz.
Output is about 3 volts P-P.
PCB size is 1.9" x 1.25"; mounting holes for 4-40 screws.

Before I proceed to order the PCBs, I need to test the waters
and get an idea of how many PCBs to order. If interested,
send me a private email. Cost will be about \$17 shipped to your door.
All parts included except you supply I/O connections and enclosure;
Batteries not included :)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

Date: Mon, 21 Jul 2003 11:00:15 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [154626] RE: SuSE 8.2 Pro Disks
Message-ID: <004501c34fa1\$2ee4ee70\$0300a8c0@DFPTZS21>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whoa ! Geesh..... there must be dozens or more of you looking for copies of
these disks. I don't have enough time or disks available to help you
all....

I'll burn 2 sets and send them to the first 2 that replied of the 15 or so
wanting them and hope they will reciprocate and continue the distribution.

Sorry but my end of the disk deal is closed <grin>.

Mike

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA
EN54pc

Date: Mon, 21 Jul 2003 09:24:58 -0700

From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [154627] Re: Set of SuSE 8.2 Pro Disks and Red Hat Linux 5.2
Message-ID: <20030721162458.GA3379@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Sun, Jul 20, 2003 at 09:58:13PM -0500, Michael Melland wrote:

> I have a set of SuSE 8.2 Pro I'll send out for postage (\$5)
>
> AND I can make a couple of copies of (2 CD's) of Red Hat 5.2 (Mandrake
> Release) Linux if anyone... like me.... has an old computer they'd like to
> try a Linux version on... and then pass it on. Unlike SuSE Pro which
> requires 2.9 GB for full GUI installation with all it's packages..... Red
> Hat 5.2 which is from 1998/99 only needs a maximum of 900 MB and 8 to 16 MB
> RAM to run. It utilizes Xwindows (X11R6) for it's GUI and has quite a few
> programs included....
>
> Just the thing for that old 133 Pentium with the 2 Gig HD or "gasp" that old
> 386/486 in the closet.....

My, things have changed over the years. My first Linux install in 1994
was on a 100 MB partition with less than 60 used (Slackware on a
486SLC-66, 16 MB, kernel 1.2.8).

The older, slower machines make great firewalls/routers. There are
even some single-floppy routers available.

Bob, N7XY

Date: Mon, 21 Jul 2003 12:51:01 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: qrp-L Reflector <qrp-l@lehigh.edu>,
noga reflector <nogaqrp@mailman.qth.net>,
Subject: [154628] OT: Interesting Group Buy
Message-ID: <5.2.1.1.2.20030721123120.02b3f248@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Folks... I wanted to relate to you an interesting group buy-not one of
our QRP-related buys, but larger. Several months ago, someone on the
Green-Keys (RTTY/etc.) Reflector mentioned that there were some NIB
(New-In-Box) MIL-Tempest-grade (Hi-Rel/Low RFI/etc. emission) RTTY TUs made
by Dovetron, available. The Dovetrons are one of the best ever made. There
were several lots of them listed at government auction.

When it was realized that there was considerable interest in obtaining these units, one of the guys took it on himself to take 'orders' and get registered with the auction people. I don't know how many were bought, but the money involved was in the thousands. When the auction was 'won', the units were picked up, checked out (even though new, it's still a good idea), and packaged for shipment. The comments have been rolling in ever since, as they were received. Basically all contain effusive praise.

We've done the same thing here, and it is a matter of no small amount of pride such things have worked so well for us. I've personally been the recipient of one or two of these, and-even though I've never had the opportunity to help 'kit' one together-I have shared in the enormous pleasure watching such selfless actions take place. We all like to think QRP is an idea where people try harder. It surely is. So is RTTY.

I didn't get one of these-I already have my own Dovetron... but just as I am proud to be a member of QRP-L, and a participant in QRP-related ham radio; I am equally proud to belong to that group of amateurs devoted to clanky old, oil-smelling, wonderful teletype machines.

These two 'places' (QRP-L and Green-Keys) are the best examples I know of to refute the idea in some circles that the Internet is taking over, and that Amateur Radio is dead. Neither idea is true-certainly not here. It occurred to me that I was very proud of these selfless, hardworking folks, and am honored to be amongst you.

Well done gentlemen (and ladies)!!!

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".

--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

Date: Mon, 21 Jul 2003 12:32:10 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <AQRP@yahoogroups.com>, <qrp-l@lehigh.edu>,
"Andy Palm" <acpalm@concentric.net>, <k5qlf@yahoo.com>,
Subject: [154629] Re: [AQRP] Nice QRP surprises
Message-ID: <036101c34fae\$04066e60\$4e100a0a@rohredt2000>

What was the orientation of the fed end of the wire and the free end?

Wondering about how much directionality it might have.

72,
Stuart
K5KVH

Date: Mon, 21 Jul 2003 11:36:13 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qRP-L@lehigh.edu
Subject: [154630] FOX: Schedule changes
Message-ID: <3F1BD02D.14160.64E709@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

As some of you might have noticed yesterday the Fox Hunt schedule for the last four weeks has been juggled. Here's how it looks now:

July 20	Larry N2WW	-	George K5TR
July 27	Larry N2WW	-	Alan N3BJ
August 3	Lloyd K3ESE	-	ET N1FN
August 10	Jim N0UR	-	ET N1FN

73

Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--

Date: Mon, 21 Jul 2003 13:41:18 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [154631] From inverted V to Delta?
Message-ID: <3F1C25BE.276211EF@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi there,

I've been playing with an EZNEC model of my inverted V to see if I could improve its performance somewhat on 20 meters and higher in some desired directions. The antenna is N-S oriented (broadside E-W). From the Cebik site I learned that by changing the properties of an antenna, you may not necessarily add gain in a certain direction, but you may be able to "steer" a lobe into the direction you need. (the 44 foot dipole is a very nice example).

I added a wire from end to end, transforming the inverted V into a top fed delta loop. Lo and behold, the antenna becomes much less of a cloud burner and gains many more usable lobes on the higher HF bands. It pretty much maintains its NVIS properties on the lower bands, which I need for state and regional nets.

There has to be a catch of course. It can't be that simple as adding a wire to an inverted V. I think the catch is in the feed point, but I'm not sure. I know that most delta loops are fed in either one of the lower corners or in the middle of the bottom segment, and I'm sure there's a reason for that. If anyone has any ideas on this (like why it would be a bad idea to feed a delta loop at the top) please let me know. I'm not proficient enough yet in antenna modeling to know what I'm messing up when I do.:)

Thanks and 73,
--Alex KR1ST

Date: Mon, 21 Jul 2003 14:21:07 -0400
From: "w8diz" <w8diz@cinci.rr.com>
To: <qrp-1@Lehigh.EDU>, <fpqrp-1@mpna.com>
Subject: [154632] HB: 40 Meter vertical PLUS 30 meters
Message-ID: <002701c34fb4\$db1a5730\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I think I know the answer to this but...

I'm in the process of building/erecting a 40 meter vertical.
It will be a full size vertical, 33' with four radials
pointing down 45 deg from the horizontal. Feedpont elevation
will be 33 feet. This antenna should give me very near 50 ohms.

So the question is...

Can I add a 23 foot element and several 23 foot radials
in parallel to the 40 meter sections using the same feedpoint?
I was thinking of spacing the 23' vertical piece about 2"
from the 40 meter section.

This will be fed with RG8X; No tuner in line with XMTR.
Also, the radials will also be used for antenna support.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

Date: Mon, 21 Jul 2003 10:10:27 -0700
From: K7VO <k7vo@earthlink.net>
To: lejek@erols.com
Cc: qrp-1@lehigh.edu
Subject: [154633] Re: New Ham

Message-ID: <20030721101027.38f9eaf5.k7vo@earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

On Wed, 16 Jul 2003 22:52:35 +0000

Larry Cahoon <lejek@erols.com> wrote:

Hi, Larry,

> Then yesterday her
> new call sign arrived - KB3KAN - and I put her on the local 2-meter
> net last night to announce to the club that she now had her ticked.

CONGRATULATIONS, to her and to you.

>

> She is already planning her ham station, and has told me now I need to
> buy a new rig. She was looking up QSL cards on the Internet, and
> telling me she want me to get her one of those ARRL log book and some
> map as she plans to work all the counties, just like her dad. She is
> even thinking of studying for the general this summer - after a short
> break.

By all means keep encouraging her. Also, try to find some other young people who share her interest, preferably other girls. Tough, I know, but it is the best way to insure that she will keep her interest in ham radio. Otherwise, peer pressure may convince her that it isn't something cool for her to do.

Again, congratulations. I hope to have the privilege to work her on the air.

73,
Caity
K7VO

Date: Mon, 21 Jul 2003 10:13:42 -0700

From: K7VO <k7vo@earthlink.net>

To: jdorson@worldshare.net

Cc: qrp-1@lehigh.edu

Subject: [154634] Re: Toyko Hy Power HT-750

Message-ID: <20030721101342.706cb81d.k7vo@earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

On Fri, 18 Jul 2003 14:09:40 -0400
"John" <jdorson@worldshare.net> wrote:

> SunflowerCan anyone give the dimensions for this unit.

Hi, John,

I've got the specs at <http://caitlyn.port5.com/thp/ht750.html>

72/73,
Caity
K7VO

Date: Mon, 21 Jul 2003 11:48:10 -0700
From: K7VO <k7vo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [154635] Re: IC-703 final amp failure advisory...NOTE:...hearsay only at this point...
Message-ID: <20030721114810.77e529a4.k7vo@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi, everyone,

>
> Do folks mention serial numbers of radios that it happened to? Perhaps
> it a certain production run that has some issues.

I think it's also important we keep things in perspective. Years ago I learned that 90% of failures in electronic equipment happen during the first 5% of service life, or so Sony claimed. I believe that is why we have warranties. Even the best radio will have a certain small percentage of catastrophic premature failures. Of course, if it happens to you it is incredibly frustrating.

Also, do folks remember when the IC-706 came out? It had tons of problems. I made the mistake of buying an early one. Icom fixed the problems and the radio eventually developed an excellent reputation in it's later incarnations. I'm always a little concerned about buying any rig when it first comes out. (Yes, I did it with the Yaesu FT-817, and yes, mine was flawless. Still...)

>
> Please keep sharing your experiences with your 703. I enjoy reading
> them and appreciate it.

Me too :)

72/73,
Caity
K7VO

Date: Mon, 21 Jul 2003 19:48:15 +0100 (BST)
From: J.Bennett@lboro.ac.uk
To: w8diz@cinci.rr.com, w8diz <w8diz@cinci.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [154636] Re: HB: 40 Meter vertical PLUS 30 meters
Message-ID: <1058813295.3f1c356fe1230@staff-webmail.lboro.ac.uk>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 8bit

Hi Dieter,

Yes you can, but you may want to give yourself more spacing than 2 inches ! As much as is practical really, 1 Ft?, but you must remember to tune them in situ, with the 30 metre one being done first followed by the 40 metre one.

Good luck & I wish you lots of success with it.

72/73,

Jack
G3PVG.
Quoting w8diz <w8diz@cinci.rr.com>:

> Hi Gang,
>
> I think I know the answer to this but...
>
> I'm in the process of building/erecting a 40 meter vertical.
> It will be a full size vertical, 33' with four radials
> pointing down 45 deg from the horizontal. Feedpoint elevation
> will be 33 feet. This antenna should give me very near 50 ohms.
>
> So the question is...
> Can I add a 23 foot element and several 23 foot radials
> in parallel to the 40 meter sections using the same feedpoint?
> I was thinking of spacing the 23' vertical piece about 2"
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>
> This will be fed with RG8X; No tuner in line with XMTR.
> Also, the radials will also be used for antenna support.

>
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
> RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>
>
>
>
>
>

Date: Mon, 21 Jul 2003 13:49:03 -0500
From: "George, W5YR" <w5yr@att.net>
To: "w8diz" <w8diz@cinci.rr.com>, <qrp-1@lehigh.edu>,
<fpqrp-1@mpna.com>
Subject: [154637] Re: [fpqrp] HB: 40 Meter vertical PLUS 30 meters
Message-ID: <00c801c34fb8\$c2df0b80\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Diz, I did the same thing with a ground-mounted 40 and 30 meter pair fed in parallel and spaced about 24 ". Tuning was a nightmare and even then, performance was not what would be expected. Might work OK up in the air, but with a two inch spacing, I would expect problems.

Feedpoint impedance measured with the AEA CIA-HF analyzer was all over the lot for both bands with an extreme amount of interaction between the two antennas even with 2 ft of spacing.

Remember it is hard to tune things 33 ft in the air without taking them down, making an adjustment, putting them back up, testing, taking them down, etc. etc. Without a tuner to compensate for the small effects, this can get tedious, especially with another antenna so close.

Sorry to sound negative, but my version was very unsuccessful though different.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "w8diz" <w8diz@cinci.rr.com>

To: <qrp-1@Lehigh.EDU>; <fpqrp-1@mpna.com>

Sent: Monday, July 21, 2003 1:21 PM

Subject: [fpqrp] HB: 40 Meter vertical PLUS 30 meters

> Hi Gang,

>

> I think I know the answer to this but...

>

> I'm in the process of building/erecting a 40 meter vertical.

> It will be a full size vertical, 33' with four radials

> pointing down 45 deg from the horizontal. Feedpoint elevation

> will be 33 feet. This antenna should give me very near 50 ohms.

>

> So the question is...

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>

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>

> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio

> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W

> RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

>

>

>

> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -

Date: Mon, 21 Jul 2003 11:43:22 -0700

From: "Doug Hendricks" <ki6ds@dpol.net>

To: <qrp-1@Lehigh.EDU>

Subject: [154638] NJ Sniffer Kits, Last Call

Message-ID: <089e01c34fb7\$f6724800\$4a0b0d0a@dph.dpol.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys, George Heron announced on this list over the weekend that the NJ QRP Club is doing a "last call" on the popular "Sniffer" kit. Plus he also announced that there is now a "Pittsburg Style" board available for the kit, which makes it a piece of cake to build. The kit is available for \$25, details on AmQRP page at <http://www.njqrp.org/sniffer/index.html> While you are checking that out, be sure to look at the board designed and produced by Joe Porter, W0MQY of the 4SQRP group.

The reason for the "last call" is that there just are no more meters to be had at a reasonable price. I bought the meters in this kit years ago, and passed them on to the NJ club when they were getting started. We bought the meters when we were doing the St. Louis Tuners. When the Sniffer came out, George contacted me and I checked with the boys in the St. Louis Club. The source was no longer in business. No more meters to be had. So guys, you better act quickly if you want one of these, because when they are gone, there won't be any more. Take a look on the AmQRP web page at the manual, and the boards, and I think that you will agree that it makes a nifty little package, and a fun and useful project to build. I really like the way that Joe packaged his, although I saw several unique ways of doing it at Atlanticon.

And, if you are one of those guys who has already bought the kit but have been putting off building it, order a "Pittsburg Style" Sniffer board from Joe Porter. He will send you an etched, 2 1/4" x 2 3/4" board for the NJ Sniffer for \$5 postage paid. Here is the address:

Joe Porter
Sniffer PC Board Offer
306 East Hudson
Pittsburg, KS 66762

As always, please enclose a self addressed stamped envelope.

I spoke to George yesterday, and he said that there was a very good response to his posting. If you want a Sniffer, be sure to send George an email at n2apb@amqrp.org with Sniffer Reservation in the subject line. Tell George that you want to reserve a kit. Or, if you want to use paypal, check the website listed above for info on how to do that. But don't delay. When they are gone, they are gone. 72, Doug, KI6DS

Date: Mon, 21 Jul 2003 11:58:47 -0700
From: K7VO <k7vo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [154639] QRP/portable at Glacier National Park
Message-ID: <20030721115847.7e98bae5.k7vo@earthlink.net>

Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi, everyone,

First, if you read this on another list (HFPack or Mizuho), I apologize for the crossposting. I just thought some on QRP-L might be

interested...

I went to the Glacier-Waterton hamfest on Saturday. I think I've almost recovered. Glacier National Park is incredibly beautiful, and I highly recommend visiting sometime. The hamfest isn't much, really just a ham camping weekend for about 350 people. OTOH, if you want to visit Glacier anyway, the hamfest weekend really is a decent time to do it.

I had plenty of opportunity to demonstrate the Mizuho HTs there. I was amazed how many hams, hams who've been around for a while, never realized such a thing as an HF HT ever existed. Never mind that the Mizuho and THP rigs were sold and advertised in QST, CQ, etc..., that articles on them appeared in QST and online, and so on. I think some people were impressed, particularly with how good the audio is on the little rigs.

I referred a number of people to the HF Pack list. Some knew of it and knew Bonnie by reputation. Others didn't know such a thing existed or that a large number of hams actually operate pedestrian mobile.

I was also taken aback a little about some of the misconceptions people have about QRP. Some hams wondered if you can actually make contacts with the radios. I think some were dubious when I told them I've worked Europe and Japan with them. (Sorry, folks, but I have the cards to prove it.)

I had my Yaesu FT-7 setup with the Alpha-Delta Outpost tripod and a hamstick for an antenna. One guy checked himself and two other people into a 40m traffic net. He said "I never work QRP" over and over, including to net control, who told him he sounded fine and had a good signal.

I got the usual line about how QRPers make the station at the other end work and suffer from several people. I told them, quite truthfully, that if someone can't hear me well I say 73 and move on. OTOH, if I get a good signal report then I have a QSO. They couldn't argue with that, particularly when they just heard a good signal report come back.

In the end I am glad I did not sell my FT-7. The old rig reminded me once again why I like it so well. The Mizuho HTs really showed their stuff as well, although I doubt that Saturday will result in people actually trying to buy one. Oh well...

I also heard a ham who had just bought an FT-897 calling CQ and announcing he was QRP repeatedly on 20m without much luck. No wonder I see so many FT-817s, IC-703s, etc... being sold off shortly after purchase. I wonder if I should have given him pointers on QRP operating techniques and if they would have been taken the right way. Hopefully he won't give up in frustration before he figures out how to succeed.

Anyway, life took one of those unfortunate and unexpected turns, so I am now packing up to move back to North Carolina. I *may* do some mobile HF or 6m QRP, but I'm not sure yet.

72/73,
Caity
K7VO

Date: Mon, 21 Jul 2003 11:54:55 -0700
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: <w8diz@cinci.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [154640] Re: 40 Meter vertical PLUS 30 meters
Message-ID: <000c01c34fb9\$95dc6960\$0240cd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio

>Can I add a 23 foot element and several 23 foot radials
in parallel to the 40 meter sections using the same feedpoint?
I was thinking of spacing the 23' vertical piece about 2"
from the 40 meter section.>

Yes... if you are using 4 radials for 40M you should use at least 2 radials for 30M.

BTW : Butternut uses the same shared feedpoint on its HF-6V vertical antenna to cover both 40M (which is a tubular aluminum radiator) and 30M (which is a wire radiator installed

parallel and spaced about 3-inches away from the 40M radiator).

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Mon, 21 Jul 2003 19:05:35 +0000
From: "Jeff Imel" <jeffimel@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [154641] Flight of the Bumblebees Operating Question
Message-ID: <Law8-F8Ubv9S3AENEzb00012573@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I'm going to be a Bumblebee next week.

What is the proper way to call CQ for this contest?

"CQ BB DE KB9ZUR/BB"?

Some other way? This is the first time in this contest for me. I checked the rules web page for this contest and did not see anything. I might have missed it.

Thanks so much.

Jeff
KB9ZUR

Bumble Bee #143

Add photos to your e-mail with MSN 8. Get 2 months FREE*.
<http://join.msn.com/?page=features/featuredemail>

Date: Mon, 21 Jul 2003 12:03:51 -0700
From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [154642] RE:NJ Sniffer Kit Last Call
Message-ID: <08c901c34fba\$d2c2d0c0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just read my message as posted. It is not clearly stated that the board designed by Joe Porter for the Sniffer Kit is not included with the kit, but must be ordered separately. Sorry for the confusion this may have caused.
72, Doug

Date: Mon, 21 Jul 2003 12:18:30 -0700
From: K7VO <k7vo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [154643] Re: Toyko Hy Power HT-750
Message-ID: <20030721121830.7a7c796b.k7vo@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Mon, 21 Jul 2003 10:13:42 -0700
K7VO <k7vo@earthlink.net> wrote:

Ooops! Wrong URL...

>

> I've got the specs at <http://caitlyn.port5.com/thp/ht750.html>

Should be <http://caitlyn.port5.com/ku4qd/thp/ht750.html>

...and the dimensions aren't there anyway. I'll add them, but in the meanwhile, the dimensions are:

66(W) x188(H) x47(D) mm
or 2.6" x 7.4" x 1.85"

In other words, it's a really big handheld, about the same size as the very first 2m HTs. Anyone remember the old Wilson HT? You get the idea.

72/73,
Caity
K7VO

>

> 72/73,
> Caity
> K7VO

Date: 21 Jul 2003 15:39:27 -0400
From: pastor-kc1di <elbc2@zwi.net>
To: qrp-linux <qrplinux@lists.lehigh.edu>
Cc: qrp-L <qrp-l@lehigh.edu>
Subject: [154644] [Fwd: SuSE 8.2 and ham software]
Message-ID: <1058816367.4772.16.camel@linux.local>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

-----Forwarded Message-----

From: pastor-kc1di <elbc2@zwi.net>
To: ham-linux <ham-linux@mailman.qth.net>
Subject: SuSE 8.2 and ham software
Date: 21 Jul 2003 15:36:06 -0400

Any good ham software that you folks are using how about listing a short review and which distro you are using it with..
I'm currently using KPSK (available at Sourceforge) for my Psk work.
It's working great on SUSE 8.2. (The Redhat package available there install with yast with no problem at all.

I'm Also using Jlog (Java Logging software) it is also performing great with SuSE8.2.. SUSE 8.2 Pro. has the JRE2 programs on the disks that you also need to install before installing Jlog. they can be install easily with YAST. (Not JRE 2 is not installed during a regular install you have to tell it to install. or install them later) Jlog is very powerful logging program and it will even upload your contact directly to EQSL if your connected to the internet. Also has built in CW keyer and rig control for some rigs. very useful piece of ham software. you can look at it at:

<http://jlog.org/>

Hope all those hams with newly received SUSE 8.2 disks signup on one or the other linux lists.

73 Dave KC1DI

Date: Mon, 21 Jul 2003 15:12:53 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [154645] Re: 40 Meter vertical PLUS 30 meters
Message-ID: <00e401c34fc4\$78b862c0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually, Alan, that Butternut wire is not a radiator for 30 meters. It is part of a shorted stub which electrically shortens the antenna for operation on 21 MHz. On the HF-9V which I have there is a separate coil for 30 meters. I don't recall if my 6V used the same arrangement - that was nearly 30 years ago! <:{

But, those wires hanging parallel to the main tubing radiator are stubs, not radiators.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, July 21, 2003 1:54 PM
Subject: Re: 40 Meter vertical PLUS 30 meters

> >Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
>
> >Can I add a 23 foot element and several 23 foot radials
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> -----
>
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radials

> for 30M.
>
> BTW : Butternut uses the same shared feedpoint on its HF-6V vertical
> antenna to cover
> both 40M (which is a tubular aluminum radiator) and 30M (which is a wire
> radiator installed
> parallel and spaced about 3-inches away from the 40M radiator).
>
> Alan Kaul, W6RCL, LaCanada, CA
> w6rcl@amsat.org
> <http://home.att.net/~alan.kaul/index.html>
>

Date: Mon, 21 Jul 2003 13:38:45 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: kr1st@amsat.org,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [154646] Re: From inverted V to Delta?
Message-ID: <20030721203845.74057.qmail@web21414.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Alex - sounds like you are having lots of fun and you
should come to something useful.

a few thoughts:

(1) while the wire for an inverted vee should add up
to a half wavelength, the wire for a delta loop at
resonance should add up to a full wavelength. e.g.
this means each segment should be a third wavelength
not a half wave.

(2) the impedance of a delta loop is approx. 100 ohms
instead of something lower for a dipole. if coax fed,
it means a quarter wave transformer of 75 ohm coax.

(3) delta loops are great for low angle radiation.
the angle of radiation does change with fed point -
and there is info in the literature on how to
optimally feed these antennas. for example, ON4UN's
book on low band dx'ing

(4) note that items 1 and 3 depend upon frequency, as
does item 2 once you cut the wire! so delta loops do

not give you the desired radiation properties across multiple bands!

(5) often a prime concern for HF antennas mounted on planet earth is its gain in the elevation plane - the desire to maximize the energy at low angles wanted for DX. for most simple antennas this is the goal, and its radiation pattern in the azimuth plane is not necessarily the goal.

i had read someplace that if you want a loop to be optimal on one band, orient it vertically. if you want it to be useful on multiple bands, then orient it horizontal! this wisdom makes a lot of sense given how delta loops change as feedpoint and electrical size change across different frequency bands. the horizontal antenna is more forgiving of how its fed and its exact dimensions - particularly if fed with ladder line although some folk do feed them with coax by the way. the detriment of the horizontal loop is that it does not work quite as well at the lower bands unless you have it real high. both these antennas have their appreciative owners - i suspect you will get more help from experts on the list.

curt wb8yyy

--- Alex <kr1st@amsat.org> wrote:

> Hi there,
>
> I've been playing with an EZNEC model of my inverted
> V to see if I could
> improve its performance somewhat on 20 meters and
> higher in some desired
> directions. The antenna is N-S oriented (broadside
> E-W). From the Cebik
> site I learned that by changing the properties of an
> antenna, you may
> not necessarily add gain in a certain direction, but
> you may be able to
> "steer" a lobe into the direction you need. (the 44
> foot dipole is a
> very nice example).
>
> I added a wire from end to end, transforming the
> inverted V into a top
> fed delta loop. Lo and behold, the antenna becomes
> much less of a cloud

> burner and gains many more usable lobes on the
> higher HF bands. It
> pretty much maintains its NVIS properties on the
> lower bands, which I
> need for state and regional nets.
>
> There has to be a catch of course. It can't be that
> simple as adding a
> wire to an inverted V. I think the catch is in the
> feed point, but I'm
> not sure. I know that most delta loops are fed in
> either one of the
> lower corners or in the middle of the bottom
> segment, and I'm sure
> there's a reason for that. If anyone has any ideas
> on this (like why it
> would be a bad idea to feed a delta loop at the top)
> please let me know.
> I'm not proficient enough yet in antenna modeling to
> know what I'm
> messing up when I do.:)
>
> Thanks and 73,
> --Alex KR1ST

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Date: Mon, 21 Jul 2003 13:48:03 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: w8diz@cinci.rr.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [154647] Re: HB: 40 Meter vertical PLUS 30 meters
Message-ID: <20030721204803.76171.qmail@web21414.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Diz, guess i am surprised by some of the negative
answers ... this antenna was featured in earlier
versions of ARRL now you are talking - since this was
attached to a 4x4 with separate wires for each band,
spacing was about 4.5 inches in this case. example 2,
look at the R6000 by cushcraft - note it has some

parallel radiators. of course there are fan dipoles,
and i have seen some of these with two inch spacing.

of course, some pruning may be required and this may
not be easy - but you would have to do it for one band
version anyway!

as for radials - with this antenna elevated 4 per band
may be an overkill - but including some 30 meter
radials is a good idea.

of couse you could space the 2 vertical elements a
foot apart with pvc separators - and still share
common radials at the base - but i am not sure how
much difference this will make.

oo and 73, curt wb8yyy

--- w8diz <w8diz@cinci.rr.com> wrote:

> Hi Gang,

>

> I think I know the answer to this but...

>

> I'm in the process of building/erecting a 40 meter
> vertical.

> It will be a full size vertical, 33' with four
> radials

> pointing down 45 deg from the horizontal. Feedpont
> elevation

> will be 33 feet. This antenna should give me very
> near 50 ohms.

>

> So the question is...

> Can I add a 23 foot element and several 23 foot
> radials

> in parallel to the 40 meter sections using the same
> feedpoint?

> I was thinking of spacing the 23' vertical piece
> about 2"

> from the 40 meter section.

>

> This will be fed with RG8X; No tuner in line with
> XMTR.

> Also, the radials will also be used for antenna
> support.

>

> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ -

> Loveland, Ohio

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